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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number 09/801,933  
Filing Date March 7, 2001  
First Named Inventor Bookser  
Group Art Unit 1614  
Examiner Name TBA  
Attorney Docket Number 030727.0042.CIP1

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
TC	AA	3,524,846		Moffat, et al.	10/20/70	
	AB	4,968,790		DeVries, et al.	11/6/90	
	AC	5,157,027		Biller, et al.	10/20/92	
	AD	5,658,889		Gruber, et al.	08/19/97	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Office <sup>4</sup>	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)				
TC	AE	EP	0 427 799		GENSIA PHARMACEUTICALS, INC.	11/30/1994		
	AF	EP	0 632 048		MITSUBISHI KASEI CORPORATION	01/4/1995		
	AG	WO	00/14095		METABASIS THERAPEUTICS, INC.	03/16/2000		
	AH	WO	00/38666		METABASIS THERAPEUTICS, INC.	07/06/2000		
	AI	WO	00/52015		METABASIS THERAPEUTICS, INC.	09/08/2000		
	AJ	WO	90/08155		BOARD OF REGENTS, UNIV. OF TEXAS SYSTEM	07/26/1990		
	AK	WO	90/10636		BOARD OF REGENTS, UNIV. OF TEXAS SYSTEM	09/20/1990		
	AL	WO	91/19721		GLAZIER, A.	12/26/1991		
	AM	WO	95/07920		GILEAD SCIENCES, INC.	03/23/1995		
	AN	WO	98/39342		METABASIS THERAPEUTICS, INC.	09/11/1998		
	AO	WO	98/39343		METABASIS THERAPEUTICS, INC.	09/11/1998		
	AP	WO	98/39344		METABASIS THERAPEUTICS, INC.	09/11/1998		

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### NON-PATENT LITERATURE DOCUMENTS

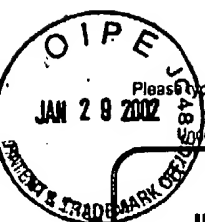
AK	AQ	ALEXANDER, et al., "Preparation of 9-(2-Phosphonomethoxyethyl)adenine Esters as Potential Prodrugs," <u>Collect. Czech. Chem. Commun.</u> , 59:1853-1869 (1994)
	AR	ATHMANI, et al., "Azoles. Part 9. Synthesis of Derivatives of Thieno[2,3-d]thiazole, 4H-Pyrrolo-[2,3-d]thiazole, 2H-Pyrazolo[3,4-d]thiazole from Thiazolidine-2,4-dione," <u>J. Chem. Soc., Perkin Trans. 1</u> , 973-977 (1992)
	AS	BARLUENGA, et al., "Substituted Organolithium Compounds. New Reagents for Synthesis," <u>J. Org. Chem.</u> , 44(26):4798-4801 (1979)
	AT	BENZARIA, et al., "Synthesis <i>in vitro</i> Antiviral Evaluation, and Stability Studies of Bis(S-acyl-2-thioethyl) Ester Derivatives of 9-[2-(Phosphonomethoxy)ethyl]adenine (PMEA) as Potential PMEA Prodrugs with improved Oral Bioavailability," <u>J. Med. Chem.</u> , 39:4958-4965 (1996)
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	AV	BRINTON, et al., "Characterization of Murine Caraparu <i>Bunyavirus</i> Liver Infection and Immunomodulator-Mediated Antiviral Protection," <u>Antiviral Res.</u> , 20:155-171 (1992)
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Examiner Signature	<i>[Signature]</i>	Date Considered	11/22/02
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Sheet 1 of 6

BA	CLAUS, et al., "Mechanism of the Acute Action of Insulin On Hepatic Gluconeogenesis," <u>Mechanisms of Insulin Action</u> , pp. 305-321, Elsevier Science, (1992)
BB	COMMERCON, et al., "Diastereoselective Chlorocyclofunctionalization of N-allylic Trichloroacetamides: Synthesis of an Analogue and Potential Precursor of RP49532," <u>Tetrahedron Lett.</u> , 31:3871-3874 (1990)
BC	COREY, et al., "Enantioselective and Practical Synthesis of R- and S-Fluoxetine," <u>Tetrahedron Lett.</u> , 30:5207-5210 (1989)
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BI	FARQUHAR, et al., "Biologically Reversible Phosphate-Protective Groups," <u>J. Pharm. Sci.</u> , 72:324-325 (1983)
BJ	FERRES, H., "Pro-Drugs of $\beta$ -Lactam Antibiotics," <u>Drugs of Today</u> , 19:499-538 (1983)
BK	FOLSOM, et al., "Relation of Carotid artery Wall Thickness to Diabetes Mellitus, Fasting Glucose and Insulin, Body Size, and Physical Activity," <u>Stroke</u> , 25:66-73 (1994)

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BL	FREED, et al., "Evidence for Acyloxymethyl Esters of Pyrimidine 5'-Deoxyribonucleotides as Extracellular Sources of Active 5'-Deoxyribonucleotides in Cultured Cells," <u>Biochem. Pharmacol.</u> , 38:3193-3198 (1989)
BM	HADDAD, et al., "Stereocontrolled Reductive Amination of 3-Hydroxy Ketones," <u>Tetrahedron Lett.</u> , 38:5981-5984 (1997)
BN	HOFFMANN, M., "A Simple, Efficient Synthesis of Dibenzyl and Di-p-nitroben 1-Hydroxyalkanephosphonates," <u>Synthesis</u> , pp. 62-64 (1988)
BO	HORI, et al., "Palladium (II)-Catalyzed Asymmetric 1,3-Dipolar Cycloaddition of Nitrones to 3-Alkenoyl-1,3-oxazolidin-2-ones," <u>J. Org. Chem.</u> , 64:5017-5023 (1999)
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✓	BW	MITCHELL, et al., "Bioreversible Protection for the Phospho Group: Bioactivation of the OI(4-acyloxybenzyl) and Mono(4-acyloxybenzyl) Phosphoesters of Methylphosphonate and Phosphonoacetate," <u>J. Chem. Soc., Perkin Trans. 1</u> , 38:2345-2353 (1992)	
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MISS	CA	<del>OHASHI, et al., "Synthesis of Phosphosphingoglycolipid Found in Marine Snail <u>Turbo Cornutus</u>," <u>Tetrahedron Lett.</u>, 29:1189-1192 (1988)</del>	
✓	CB	PATOIS, et al., "Easy Preparation of Alkylphosphonyl Dichlorides," <u>Bull. Soc. Chim. Fr.</u> , 130:485-487 (1993)	
	CC	PILKIS, et al., "Hormonal Regulation of Hepatic Gluconeogenesis and Glycolysis," <u>Ann. Rev. Biochem.</u> , 57:755-783 (1988)	
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	CF	QUAST, et al., "Herstellng von Methylphosphonsaure-diclorid," <u>Synthesis</u> , pp. 461-538 (1974)	
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	CI	REGEN, et al., "Sensitivity of Pathway Rate to Activities of Substrate-Cycle Enzymes: Application to Gluconeogenesis and Glycolysis," <u>J. Theor. Biol.</u> , 111:635-658 (1984)	
✓	CJ	SERAFINOWSKA, et al., "Synthesis and <i>In Vivo</i> Evaluation of Prodrugs of 9-[2-(Phosphonomethoxy)ethoxy]adenine," <u>J. Med. Chem.</u> , 38:1372-1379 (1995)	

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CK	SHAW, et al., "Metabolism and Pharmacokinetics of Novel Oral Prodrugs of 9-[(R)-2-(phosphonomethoxy)propyl]adenine (PMPA) in Dogs," <u>Pharm. Res.</u> , 14:(12) 1824-1829 (1997)
CL	SHULMAN, et al., "Pathways of Glycogen Repletion," <u>Physiol. Rev.</u> , 72(4):1019-1035 (1992)
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CN	SRIVASTVA, et al., "Bioreversible Phosphate Protective Groups: Synthesis and Stability of Model Acyloxymethyl Phosphates," <u>Bioorg. Chem.</u> , 12:118-129 (1984)
CO	STARRETT, et al., "Synthesis, Oral Bioavailability Determination, and in Vitro Evaluation of Prodrugs of the Antiviral Agent 9-[2-(Phosphonomethoxy)ethyl]adenine (PMEA)," <u>J. Med. Chem.</u> , 37:1857-1864 (1994)
CP	STILL, et al., "Direct Synthesis of Z-Unsaturated Esters. A Useful Modification of the Horner-Emmons Olefination," <u>Tetrahedron Lett.</u> , 24:4405-4408 (1983)
CQ	STOWELL, et al., "The Mild Preparation of Synthetically Useful Phosphonic Dichlorides: Application to the Synthesis of Cyclic Phosphonic Diesters and Diamides," <u>Tetrahedron Lett.</u> , 31:3261-3262 (1990)
GR	U.K. Prospective Diabetes Group, U.K. Prospective Diabetes Study 16. "Overview of 6 Years' Therapy of Type II Diabetes: A Progressive Disease," <u>Diabetes</u> , 44:1249-1258 (1995)
CS	WIECZOREK, et al., "Plant Growth-Regulating N-(Phosphonoacetyl)amines," <u>Pest. Sci.</u> , 40(1):57-62 (1994)
CT	ZBOROVSKII, et al., "Heterocyclization of Phenylethynylphosphonic Acid Under the Action of Selenium Dioxide or Hydrogen Bromide," <u>Russian J. Gen. Chem.</u> , 64(9):1401-1402 (1994)

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Group Art Unit 1624  
Examiner Name Thomas C. McKenzie  
Attorney Docket Number 030727.0042.CIP

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U.S. PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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AA		WO	99/47549	A1	Ontogen Corporation	09/23/1999		

NON PATENT LITERATURE DOCUMENTS

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Examiner Signature	Thomas C. McKenzie	Date Considered	8/15/03
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

### Complete If Known

Application Number	09/801,933
Filing Date	March 7, 2001
First Named Inventor	Bookser et al.
Group Art Unit	1624
Examiner Name	T. McKenzie
Attorney Docket Number	45198.00042.RCE

Sheet 1 of 1

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[Signature]		6,054,587		Reddy et al.	04/25/00	
		6,110,903		Kasibhatla et al.	08/29/00	
		6,284,748		Dang et al.	09/04/01	
		6,294,672		Reddy et al.	09/25/01	
		6,312,662		Erion et al.	11/06/01	
		6,399,782		Kasibhatla et al.	06/04/02	
		6,489,476		Dang et al.	12/03/02	

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